

Declaration of performance – Zehnder EVO 1 ERV / EVO 1 ERV PR

Release data: 15/11/2024

Product Datasheet According to Regulation (EU) NO.1254/2014 – ANNEX IV

Supplier's name or trade mark	Zehnder Group			Zehnder Group			Zehnder Group			Zehnder Group		
Supplier's model identifier	Zehnder EVO 1 ERV / EVO 1 ERV PR			Zehnder EVO 1 ERV / EVO 1 ERV PR			Zehnder EVO 1 ERV / EVO 1 ERV PR			Zehnder EVO 1 ERV / EVO 1 ERV PR		
SEC [kWh/(m²a)] specific energy consumption (cold, average, warm)	-73,0	-36,6	-13,2	-74,1	-37,5	-13,9	-76,3	-39,3	-15,3	-80,4	-42,3	-17,8
SEC class (cold, average, warm) climate	A+	A	E	A+	A	E	A+	A	E	A+	A+	E
Ventilation unit type	Two-way residential ventilation unit (RVU)											
Drive type installed	Multi-speed control			Multi-speed control			Variable speed control			Variable speed control		
Type of heat recovery system	Static heat recovery			Static heat recovery			Static heat recovery			Static heat recovery		
Thermal efficiency [%]	83			83			83			83		
Maximum flow rate [m³/h]	151			151			151			151		
Maximum electrical power input [W]	46,9			46,9			46,9			46,9		
Sound power level (LWA) [dB(A)]	38			38			38			38		
Reference flow [m³/h]	106			106			106			106		
Reference pressure difference [Pa]	50			50			50			50		
Specific fan power (specific power input - SPI -) [W/(m³/h)]	0,208			0,208			0,208			0,208		
Control factor and type installed or intended to be installed	"1 Manual control"			"0,95 Timer"			"0,85 Centralised climate control"			"0,65 Local demand control"		
Maximum declared internal and external leak rate [%]	Internal: 1,4 External: 5,2			Internal: 1,4 External: 5,2			Internal: 1,4 External: 5,2			Internal: 1,4 External: 5,2		
Visual filter warning position and description	Warning on unit display or room controller			Warning on unit display or room controller			Warning on unit display or room controller			Warning on unit display or room controller		
Website for technical documentation	www.zehnder.it			www.zehnder.it			www.zehnder.it			www.zehnder.it		
Annual electricity consumption by climate (cold, average, warm) per surface area of 100 m² (AEC) [kWh/a]	842	305	260	817	280	235	770	233	188	692	155	110
Annual heating savings in a (cold, average, warm) climate for an apartment with a surface area of 100 m² (AHS) [kWh/a]	8527	4359	1971	8580	4386	1983	8686	4440	2008	8898	4548	2057

Important notice

Ensure there are air filters to keep the recovery unit's energy efficiency high, and regularly carry out cleaning and replacement maintenance. Read the instructions in the use and maintenance manual.

Warning

Always ensure a filter is used. To prevent reduced effectiveness of your energy recovery ventilation, be sure to clean dirt and dust from the filter and heat exchange element at regular intervals. See the operating instructions manual.